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# Computer & Information Science

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## Scope

The purpose of this guide is to introduce some of the resources available in Woodruff Library on **COMPUTER & INFORMATION SCIENCE**. This guide is NOT a comprehensive listing of sources, but is intended to be a starting point from you can begin your research according to your specific needs.

## Table of Contents

1. Bibliographies
2. Dictionaries
3. Encyclopedias
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5. Special online Resources for Mathematics
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### 1. Bibliographies

*Computer Science and Computing: A Guide to the Literature* by Michael Knee.

Location: MAIN COLLECTION (Upper Level) Z5640.K56 2006

### 2. Dictionaries

*Hutchinson Dictionary of Computing and the Internet* by NetLibrary, Inc.

Location: Electronic Book, accessible through library catalog by performing title search

*Information Security Dictionary: Defining the Terms that define security for E-business, internet, Information and Wireless Technology* by Urs E. Gattiker

Location: Electronic Book, accessible through library catalog by performing title search

### 3. Encyclopedias

*Encyclopedia of Computer Science* edited by Anthony Ralston, Edwin D. Reilly and David Hemmendinger.

Location: REFERENCE QA76.15 .E48 2000

*AccessScience (McGraw Hill) Encyclopedia of Science & Technology*

Location: online [www.auctr.edu](http://www.auctr.edu), go to E-Resources, select Databases

### 4. Handbooks

*Computer Science Handbook* by Allen B. Tucker  
Location: REFERENCE QA76. C54755 2004

## 5. Special Online Resources for Mathematics

**Eric Weissteins's World of Mathematics** (MathWorld) <http://mathworld.wolfram.com> - Free web encyclopedia and current news in the field of mathematics.

**World Wide Virtual Library for Mathematics** [www.math.fsu.edu/Virtual/](http://www.math.fsu.edu/Virtual/)  
Maintained at Florida State University a good starting place for web resources in mathematics.

## 6. Electronic Resources

**ACM Digital Library** [www.acm.org/dl](http://www.acm.org/dl) - provides online access to all Association for Computing Machinery (ACM) journals, magazines and conference proceedings.

**Academic Search Complete** – article database, covers multiple subjects, including computer science, full-text available.

**MathSciNet** [www.ams.org/mathscinet](http://www.ams.org/mathscinet) - a comprehensive database covering the world's mathematical literature since 1940. The web-based version of Mathematical Reviews (MR), MathSciNet provides access to the bibliographic data and reviews of mathematical research literature contained in the Mathematical Review Database and links to approximately 300,000 original articles.

## 7. Print and Online Accessible<sup>†</sup> Journals

ACM Conference Proceedings <sup>†</sup>	Neural Parallel Scientific Computations
ACM Queue <sup>†</sup>	PC Magazine
Communications of the ACM <sup>†</sup>	SIAM Journal on Scientific Computing <sup>†</sup>
Communications of the AIS <sup>†</sup>	SIG Newsletters
Computer World <sup>†</sup>	Transactions on Applied Perception <sup>†</sup>
Computers in Education	Transactions on Architecture & Code Optimizaton <sup>†</sup>
Computing Reviews <sup>†</sup>	Transactions on Asian Language Information Processing <sup>†</sup>
Computing Surveys <sup>†</sup>	Transactions on Computational Logic <sup>†</sup>
EContent <sup>†</sup>	Transactions on Computer-Human Interaction <sup>†</sup>
IBM Journal of Research & Development <sup>†</sup>	Transactions on Computer Systems <sup>†</sup>
Information Systems Research <sup>†</sup>	Transactions on Design Automation of Electronic Systems <sup>†</sup>
Intelligence <sup>†</sup>	Transactions on Embedded Computing Systems <sup>†</sup>
Interactions <sup>†</sup>	Transactions on Graphics <sup>†</sup>
Journal of Computer Documentation <sup>†</sup>	Transactions on Information & Systems Security <sup>†</sup>
Journal of Experimental Algorithmics <sup>†</sup>	Transactions on Information Systems <sup>†</sup>
Journal of the ACM <sup>†</sup>	Transactions on Internet Technology <sup>†</sup>
Journal of the Association for Information Science <sup>†</sup>	Transactions on Mathematical Software <sup>†</sup>
Journal on Educational Resources in Computing <sup>†</sup>	Transactions on Modeling & Computer Simulation <sup>†</sup>
Linux Journal <sup>†</sup>	Transactions on Networking <sup>†</sup>

Mathematics of Computation<sup>†</sup> Transactions on Programming Languages & Systems<sup>†</sup>  
 Mobile Networks & Applications<sup>†</sup> Transactions on Software Engineering & Methodology<sup>†</sup>  
 Network: Computation in Neural Systems<sup>†</sup> Wireless Networks<sup>†</sup>  
 netWorker<sup>†</sup>

## 8. Scientific Societies

American Computer Scientists Association [www.acsa2000.net](http://www.acsa2000.net)  
 American Institute of Mathematics [www.aimath.org](http://www.aimath.org)  
 American Mathematical Society [www.ams.org](http://www.ams.org)  
 Association for Computing Machinery [www.acm.org](http://www.acm.org)  
 Association for Women in Mathematics [www.awm-math.org](http://www.awm-math.org)  
 Center for Scientific Computing <http://www.csc.fi>  
 Computer Professionals for Social Responsibility [www.cpsr.org](http://www.cpsr.org)  
 Computing Research Association <http://cra.org>  
 Institute of Electrical and Electronic Engineers [www.ieee.org](http://www.ieee.org)  
 Institute of Mathematics and Its Applications [www.ima.org.uk](http://www.ima.org.uk)  
 International Association for Mathematical Physics [www.iamp.org](http://www.iamp.org)  
 International Mathematical Union [www.mathunion.org](http://www.mathunion.org)  
 International Programmers Guild [www.ipgnet.com](http://www.ipgnet.com)  
 Mathematical Association of America [www.maa.org](http://www.maa.org)  
 Mathematical Sciences Research Institute [www.msri.org](http://www.msri.org)  
 Society for Industrial and Applied Mathematics [www.siam.org](http://www.siam.org)  
 Worldwide Institute of Software Architects [www.wvisa.org](http://www.wvisa.org)

## Library of Congress Classifications

The following classifications provide an organizational scheme for materials relating to **Computer Science**. Be sure to browse the shelves nearby items in this bibliography to find related resources.

<b>QA 75.5-76.95</b>	<b>Electronic computers. Computer Science</b>
<b>QA 76</b>	<b>Computer Science</b>
QA 76.625	Internet Programming
QA 76.73	Programming Languages
<b>QA 76.75-76.765</b>	<b>Computer Software</b>
QA 76.76	Computer Software, special topics
QA 76.9	Computer Science, other topics

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